

Release Notes
CCN Server Software Package for Solaris
CCPUsrvr v2.1.2
Release Date: 2004 July 1

Features Changed

- Introduced a '-F' command line option for ccnd that allows specifying one or more criteria for filtering incoming CCNtalk packets. The '-F' option takes one argument of the form 'PxxNxxMxxLxx' where 'xx' indicates a two digit hexadecimal number. At least one of the four qualifiers, 'P' for packet type, 'N' for node address, 'M' for misc bits, and 'L' for packet length must be specified. For any qualifier that is not specified in the argument, the ccnd packet filter will accept any value for the corresponding packet component. For example, the '-F N0cL04' will create a log message for any packet received from node 0x0c with data length of exactly 4 bytes.
- Separated the CCNtalk packet logging function in ccnd from the '-d' debug option to allow displaying meaningful debug messages without being overwhelmed with gratuitous log messages of raw packet data. Logging of raw packet data can still be accomplished with the new '-u' command line option.

Fixed Issues

- Modified ccnc (the node control daemon) so that the time interval between each transmission of the application watchdog heartbeat never exceeds 3 seconds, regardless of the value of the application watchdog heartbeat itself, as specified by the '-a' command line option. The default application watchdog heartbeat value sent by ccnc is 10 seconds. The time interval between each heartbeat is obtained by taking the heartbeat value and dividing it by five. For the default heartbeat value of 10 seconds, this results in a 2 second interval. However, the NetCCN's CCNtalk serial link must receive incoming data at least once every 10 seconds, otherwise it will time out the CCNtalk port and stop routing outgoing packets until an incoming packet is received to start the 10 second timeout counter anew. This can result in intermittent CCNlib behavior if a heartbeat value greater than 50 seconds is specified with ccnc's '-a' option. This release corrects this issue.